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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

2

Attorney Docket Number

1880-031249

Complete if Known

Application Number	10/701,841
Filing Date	November 5, 2003
First Named Inventor	Robert J. Hillard
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
Dle	1	5,032,786		Kimura	07/16/1991	—
	2	5,164,805		Lee	11/17/1992	—
	3	5,282,921		Poultny	02/01/1994	—
	4	5,519,336		Liu et al.	05/21/1996	—
	5	5,576,630		Fujita	11/19/1996	—
	6	5,585,736		Hshieh et al.	12/17/1996	—
	7	5,674,760		Hong	10/7/1997	—
	8	6,011,261		Ikeda et al.	01/04/2000	—
	9	6,046,599		Long et al.	04/04/2000	—
	10	6,160,415		Jung	12/12/2000	—
	11	6,175,245	B1	Bowe et al.	01/16/2001	—
	12	6,257,053	B1	Tomita et al.	07/10/2001	—
	13	6,275,059	B1	Sah et al.	08/14/2001	—
	14	6,326,220	B1	Chen et al.	12/04/2001	—
	15	6,410,353	B1	Tsai	06/25/2002	—
Dle	16	US 2002/0008530	A1	Kim et al.	01/24/2002	—
	17	US 2002/0115258	A1	Whang et al.	08/22/2002	—

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵			
Dle	18	JP	59033875	A	Toshiba Corp.	02/23/1984	— ✓ Abstract
	19	JP	59121978	A	Nec Corp.	07/14/1984	— ✓ Abstract
	20	JP	01211936	A	Tanaka Kikinzoku Kogyo KK	08/25/1989	— ✓ Abstract
	21	JP	03254133	A	Matsushita Electron Corp.	11/13/1991	— ✓ Abstract
	22	JP	04162771	A	Seikosha CO LTD Nippon Precision Circuits KK	06/08/1992	— ✓ Abstract
	23	JP	07333232	A	Canon Inc.	12/22/1995	— ✓ Abstract
	24	JP	09101343	A	Sony Corp.	04/15/1997	— ✓ Abstract
	25	JP	09292365	A	Horiba LTD	11/11/1997	— ✓ Abstract
	26	JP	10332632	A	Chikyu Kankyo Sangyo Gijutsu Kenkyu Kiko Horiba LTD	12/18/1998	— ✓ Abstract
Dle	27	JP	10178073	A	Hitachi LTD	06/10/1998	— ✓ Abstract



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		Office ³ Number ⁴	Kind Code ⁵				
<i>De</i>	32	JP 2002185011	A	Seiko Epson Corp.	06/28/2002	<i>1</i>	✓ Abstract
	33	JP 05144895	A	Nec Yamagata LTD	06/11/1993	<i>2</i>	✓ Abstract
Examiner Signature	<i>De</i>			Date Considered	<i>Mar-2005</i>		

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